H 63

E.O. 16966

LET	ALTERATION	DATE	BY
K	TRACED	5 21 37	V
L	[illegible]	[illegible]	[illegible]
M	ADDED -47 & -48 FOR PLAC-ING -38 & -39 FOR PBY-5	[illegible]	[illegible]
N	MAT. WAS 24SO - COND A.	[illegible]	[illegible]

SUPPLIES & EQUIPMENT CLASSIFICATION

END-47 & 48

TRIM ON INSTALL. OF 28B4126

FOR UPPER HALF OF BELTFRAME ON PBY-1 & FUTURE SEE DWG 28B1643

CUT OFF AT THIS POINT AT INSTALLATION OF 28B1643 PBY-1, 2, 3, & 4 ONLY

AL ALLOY SPEC 46A9 COND T (24ST) BULB SECT. ALCOA DIE K-1559

LH (38) CHINE ANGLE RH (39) PBY-1, 2, 3, & 4

POINT OF TANGENCY OF DECK & CHINE RADII

LH (47) CHINE ANGLE RH (48) FOR -85 ASSY (M)

SEE SECTION A-A DRWG 28B640

SEE SECTION E-E DR'WG 28B640

(36) LH (37) RH .030 SHEET AL ALLOY (24SO) (COND T)

AN442-D5 EQUALLY SPACED

VIEW S - PBY-2 & FUTURE TYPICAL TOP & BOTTOM

MINIMUM

℄ SHIP

WALKWAY STRINGERS

SKIN INNER FACE

(3) REF

RIVETS IN TOP & BOTTOM EDGING ANGLES TO BE EQUALLY SPACED AS SHOWN IN EACH SPACE BETWEEN WEB STIFFENERS

LH (16) RH (17) AL ALLOY (24ST) SPEC 47A10 COND T REAR DIAGONAL BRACE SEE SECT C-C DWG 28B640

(2) WEB .025 AL ALLOY SH'T (24ST) SPEC 47A10 COND T

AN442-D5 ALL RIVETS EXCEPT OTHERWISE NOTED

(1) WEB .030 AL ALLOY SH'T (24ST) SPEC 47A10 COND T

LH (14) RH (15) REAR DIAGONAL BRACE SEE SECT D-D DR'G 28B640

(4) (5) FRONT TOP

(6) (7) REAR TOP

(10) (11) FRONT BOTTOM

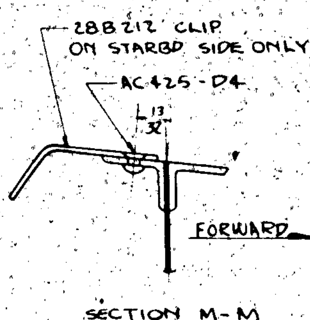
(12) (13) REAR BOTTOM

SEE SECTION L-L & NOTE DR'WG 28B625

28B212 CLIP ON STARBD SIDE ONLY

AC425-D4

FORWARD



SECTION M-M

VIEW F-F

AN442-D6

BOTTOM SLOPE

30° WITHIN THESE LIMITS

CLIP 28B070 SEE VIEW F-F DRWG 28B640

SEE SECTION C-C DR'WG 28B640

SKIN INNER FACE

(34) LH (35) RH

(32) LH (33) RH

(30) LH (31) RH

(28) LH (29) RH

(26) LH (27) RH

(24) LH (25) RH

(22) LH (23) RH

(20) AFT PORT (21) FWD PORT

(43) AFT STBD (44) FWD STBD

(18) AFT PORT (19) FWD PORT

(41) AFT STBD (42) FWD STBD

(8) GUSSET XP3Y-1 ONLY FOR PBY-1 & FUTURE SEE 28B1626-35

(9) GUSSET - XP3Y-1 ONLY FOR PBY-1 & FUTURE SEE DWG 28B1626-34

SEE SECTION 'B-B' DRWG 28B640

WEB STIFFENERS

AL ALLOY SPEC 47A10 COND T (24ST)

1. PART NOS -18 TO -35 INCLUSIVE TO BE .040 EXTRUDED ANGLE DIE # K 6240 PARTS # -14, -15, -16 & -17 (24ST) TO BE EXTRUDED ANGLE DIE # K 9876

2. ALL WEB STIFFENERS TO BE CRIMPED & OUTSTANDING LEG TO BE TRIMMED 30° EXCEPT -26, -27, -32 & 33 UPPER END SEE C-C DWG 28B640

3. PARTS -32, -33, -34, -35 TO BE PLACED RADIALLY FROM CENTER OF BOTTOM CURVATURE R = 38 $\frac{3}{32}$

.060 AL ALLOY (24SO) SPEC 46A9 COND "A" PBY-1 ONLY -4-5-6-7-10-11-12 & -13

(N) AL ALLOY (24ST) SPEC 46A9 (COND T) DIE # K-13624 PBY-2 & FUTURE -4-5-6-7-10-11-12 & -13

— KEEL LINE —

SEE SECTION D-D DR'WG 28B640

FRAME BOTTOM SLOPE SAME AS KEEL SLOPE (4°15') IN ALL SECTIONS PARALLEL TO KEEL

RIVETS IN VERTICAL & DIAGONAL WEB STIFFENERS TO BE EQUALLY SPACED AS SHOWN WITH END RIVETS ¼ FROM EDGING ANGLE

SEE SECTION B-B DR'WG 28B640

PORT SIDE - LOOKING FORWARD

SEE DRWG 28B640 FOR SECTIONS A-A B-B C-C D-D E-E

FINISH CODE

Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CORROSION PLATE

-38	PBY-5	28B5620	1EA.
-41	PBY-5	28B5620	1EA.
-37	PBY-5	28B5620	1EA.
-36	PBY-5	28B5620	1EA.

MODEL	NEXT ASSY
PBY-5	28B1000
PBY-4	28B1000
PBY-3	28B1000
PBY-2	28B1000
PBY-1	28B1000
XP3Y-1	28B001

REQUIREMENTS PER AIRPLANE

PARTS LIST PER ASSY

REPLACES

REPLACED BY

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32

[redacted]

APPROVED 5 21 37 DATE

CALC. WT 820 ACT. WT

SCALE 6" = 1'-0"

NAVY NOTED MATERIAL | NOTED SPEC. | NOTED HEAT TREAT | FINISH

DRAFT 1-12-37 CHECK

CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.

NAME BELTFRAME HULL - STA. 6.20

J 28B620

ALL AL ALLOY SHEET 24ST SPEC 47A10 COND T EXCEPT AS NOTED ALL AL ALLOY EXTRUSIONS 24ST EXCEPT AS NOTED HEAT TREAT ALL 24SO & ANNEALED PARTS SPEC 46-53 TO COND T STAMP PT. No. WHERE SHOWN